## **CLAIMS**

1. A data processing system comprising a cluster of devices interconnected for the communication of data in streams wherein, for at least two data streams to be sent to one or more devices as destination devices of said cluster, at least one device of the cluster comprises means arranged to apply a respective delay to at least one of said at least two data streams in an amount determined by differing signal path latencies for said at least two streams; wherein at least some devices of the cluster maintain a respective table, readable via said interconnection by other devices of said cluster, each such table identifying one or more latencies for the respective device, and the means arranged to apply a delay operating to apply delays on the basis of table contents.

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- 2. A system as claimed in Claim 1, wherein each table identifies, for its respective device, signal processing capabilities for that device, together with the latency associated with each such capability.
- 3. A system as claimed in Claim 1, wherein one of said devices is a source device for said at least two data streams to be sent, to said destination devices of said cluster, said source device including said means arranged to apply a delay together with means arranged to read data from said respective tables of the destination devices and determine the respective delay to apply to at least one of said at least two data streams.
- 4. A system as claimed in Claim 3, wherein said source device further comprises multiplexing means coupled with said means arranged to apply a delay and arranged to combine said at least two streams into a single data stream for transmission to said destination devices.
  - 5. A system as claimed in Claim 2, wherein one or more table entries

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is in the form of an algorithm requiring data from the device reading the table to enable determination of the latency of the device holding said table.

- 6. A system as claimed in Claim 5, wherein the determination on the basis of the algorithm is implemented by the device reading the table, said device having downloaded the algorithm from the device holding the table.
- A system as claimed in Claim 5, wherein the determination on the basis of the algorithm is implemented by the device holding the table, the results
  of the implementation being transmitted via said interconnection to the device reading the table.
  - 8. A system as claimed in Claim 1, wherein all destination devices maintain a respective table.
  - 9. A system as claimed in Claim 1, wherein said means arranged to apply a delay comprises buffering means.
- 10. A system as claimed in Claim 1, wherein said means arranged to apply a delay comprises means arranged to selectively apply a delay to reading of one or each of said data streams from a source thereof.
  - 11. Data processing apparatus comprising the technical features of a source device in a system as claimed in Claim 3.
  - 12. Data processing apparatus as claimed in Claim 11, further comprising the technical features of a destination device in a system as claimed in any of Claims 1 to 10.

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